

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A ~~[[D]]~~drilling device with a multiblade drilling tool (17), particularly a deep drilling tool, with at least two supply channels (19, 20) by means of which cooling lubricant (28) is supplied to the cutting zone (18), as well as removal channels (35, 36) by means of which the cooling lubricant and chips are removed, ~~characterized in that with~~ wherein the channels (19, 20, 35, 36) are associated with independent cooling lubricant supply devices (25, 26; 64).
2. (Currently amended) The ~~[[D]]~~drilling device according to claim 1, ~~characterized in that~~ wherein the supply devices (25, 26; 64) are constructed for maintaining predetermined, separate volume flows of the cooling lubricant (28) for the individual channels (19, 20, 35, 36).
3. (Currently amended) The ~~[[D]]~~drilling device according to claim 1 ~~or~~ 2, ~~characterized in that~~ wherein the supply devices (25, 26; 64) are constructed for increasing the cooling lubricant pressure in the case of a reduction of the volume flow in one of the channels (19, 20, 35, 36) as a result of a blockage.
4. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the preceding claim~~ ~~[[s]]~~ 1, ~~characterized in that~~ wherein independent pumps (25, 26) or pump chambers are connected to the channels (19, 20).
5. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the preceding claim~~ ~~[[s]]~~ 1, ~~characterized in that~~ wherein the channels are connected to the outlets of a quantity divider (64).

6. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the preceding claim~~[[s]] 1, ~~characterized in that~~ wherein the channels are connected to a cooling lubricant supply (23, 24), which is located in a drilling spindle (15) or an adapter (30, 30a), optionally containing a quantity divider (64) and which optionally contains the chuck (16) for the drilling tool (17).

7. (Currently amended) The ~~[[D]]~~drilling device ~~according to one of the preceding claim~~[[s]] 1, ~~characterized by~~ further comprising a rotary duct (22) for the cooling lubricant (28).

8. (Currently amended) The ~~[[D]]~~drilling device ~~according to one of the preceding claim~~[[s]] 1, ~~characterized in that~~ wherein the introduction of the cooling lubricant (28) into the drilling tool (17) or drilling spindle (15) takes place radially, axially or radially and axially.

9. (Currently amended) The ~~[[D]]~~drilling device, ~~particularly according to one of the preceding claim~~[[s]] 1, ~~characterized in that~~ wherein chip spaces (74) formed in a working rotation direction (73) of a multiblade drilling tool (17), upstream of the blade (71) and connected to chip removal channels (35, 36), in cross-section have a rounded side wall (75) following on to the blade (71).

10. (Currently amended) The ~~[[D]]~~drilling device according to claim 9, ~~characterized in that~~ wherein the chip removal channels (35, 36) also have a rounded side wall (75).

11. (Currently amended) The ~~[[D]]~~drilling device according to claim 9 ~~or 10~~, ~~characterized in that~~ wherein the rounded side wall (75) extends approximately up to a drilling tool centre plane (77) perpendicular to the blade (71).

12. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the~~ preceding claim~~[[s]]~~ 11, ~~characterized in that~~ wherein, in the vicinity of the drilling tool external diameter, the rounded side wall (75) bounds a substantially circumferentially directed projection (79) projecting into the chip space (74) and on whose outside is preferably formed a guide zone (80) for the drilling tool.

13. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the~~ claim~~[[s]]~~ 9 to 12, ~~characterized in that~~ wherein the rounded side wall (75) has the cross-sectional shape of a semicircle or half a long oval.

14. (Currently amended) The ~~[[D]]~~drilling device, particularly according to ~~one of the~~ preceding claim~~[[s]]~~ 1, ~~characterized in that~~ wherein in the case of a multiblade drilling tool (49), at least one of the blades (71a), considered in an axial plan view on the drilling tool end face (21), has a bend (84), where two blade sections (71, 85) meet under an angle, preferably between 170° and 120°.

15. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the~~ claim~~[[s]]~~ 9 to 14, ~~characterized in that~~ wherein the chip space (74) is shaped in accordance with the side wall and/or blade direction.

16. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the~~ claim~~[[s]]~~ 9 to 15, ~~characterized in that~~ wherein the drilling tool (17) has a cutting head (31) and a shank (32) applied thereto, the shank (32) having recesses forming chip removal channels (35, 36) and the cross-sectional shape thereof corresponds to the chip spaces (74).

17. (Currently amended) The ~~[[D]]~~drilling device according to ~~one of the~~ preceding claim~~[[s]]~~ 1, ~~characterized by~~ further comprising an adapter (30, 30a) with

independent cooling lubricant infeeds in two separate supply channels (19, 20) in the drilling tool (17).

18. (Currently amended) The [[D]]drilling device according to claim 17, ~~characterized in that~~ wherein a quantity divider (64) is provided in the adapter (30a).

19. (Currently amended) The [[D]]drilling device according to ~~one of the~~ claim[[s]] 17 and 18, ~~characterized in that~~ wherein the adapter (30, 30a) contains a chuck for the drilling tool (17).

20. (Currently amended) The [[D]]drilling device according to ~~one of the~~ preceding claim[[s]] 1, ~~characterized in that~~ wherein a drilling spindle (15) is mounted in a headstock (18) and there is a separate cooling lubricant infeed for the two channels (19, 20) into the drilling spindle (15), preferably at the end of the drilling spindle (15) remote from the drilling tool (17).